# Product datasheet

Specifications

## TeSys, TeSys Vario - switch disconnector - 32 A - on door

VBD1

## Main

| | |
|---|---|
| **Range** | TeSys |
| **Product Name** | TeSys VARIO |
| **Device Short Name** | VBD |
| **Device Application** | Preventive maintenance |
| **Product Type** | Switch disconnector |

## Complementary

| | |
|---|---|
| **Device Composition** | Switch<br>Handle |
| **Mounting Support** | Handle: door<br>Switch: door |
| **Mounting Method** | Hole with 22.5 mm for handle |
| **Performance Level** | High performance |
| **Number Of Poles** | 3P |
| **Contact Type And Composition** | 3 NO |
| **[Ue] Iec Rated Operational Voltage** | 690 V AC 50/60 Hz |
| **Iec Rated Operational Power In W** | 11 kW at 500 V (AC-23A)<br>15 kW at 690 V (AC-23A)<br>7.5 kW at 500 V (AC-3)<br>7.5 kW at 690 V (AC-3)<br>1.5 kW at 230...240 V (AC-3)<br>5.5 kW at 230...240 V (AC-23A)<br>11 kW at 400...415 V (AC-23A)<br>7.5 kW at 400...415 V (AC-3) |
| **[Ie] Rated Operational Current** | 21.8 A AC-23 Ue: 400 V |
| **[Ith] Conventional Free Air Thermal Current** | 32 A |
| **[Ithe] Conventional Enclosed Thermal Current** | 25 A |
| **Making Capacity ( I Rms)** | 320 A at 400 V AC-21A<br>320 A at 400 V AC-22A<br>320 A at 400 V AC-23A |
| **Breaking Capacity** | 250 A at 400 V (AC-21A)<br>250 A at 400 V (AC-22A)<br>250 A at 400 V (AC-23A) |
| **Rated Conditional Short Circuit Current** | 10 kA at 400 V - associated fuse 35 A aM<br>10 kA at 400 V - associated fuse 35 A gG |
| **[Icm] Rated Short Circuit Making Capacity** | 1 kA at 400 V at Ipeak |
| **[Icw] Rated Short Time Withstand Current** | 384 A at 400 V duration: 1 s |

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

| | |
|---|---|
| **[Uimp] Rated Impulse Withstand Voltage** | 8 kV |
| **Suitability For Isolation** | Yes |
| **Network Type** | DC<br>AC |
| **Intermittent Duty Class** | 30 |
| **Control Type** | Rotary handle |
| **Rotary Handle Mounting Style** | Direct |
| **Handle Color** | Black |
| **Handle Front Plate Color** | Black |
| **Rotary Handle Padlocking** | 1 to 3 padlocks 4…8 mm |
| **Marking** | 0 - 1 |
| **Mechanical Durability** | 100000 cycles |
| **Electrical Durability** | 100000 cycles AC-21<br>30000 cycles DC-1...5 |
| **Iec Terminal Connection** | Power circuit: screw clamp terminals10 mm² - solid<br>Power circuit: screw clamp terminals6 mm² - flexible - with cable end |
| **Tightening Torque** | Power circuit: 2.1 N.m - on screw clamp terminals |
| **Base Dimension** | 60 x 60 mm |
| **Height** | 74 mm |
| **Width** | 60 mm |
| **Product Weight** | 0.215 kg |

## Environment

| | |
|---|---|
| **Standards** | IEC 60947-3 |
| **Product Certifications** | UL<br>GL<br>CSA<br>CCC<br>UKCA |
| **Degree Of Protection** | IP20 conforming to IEC 60529<br>IP65 |
| **Protective Treatment** | TC |
| **Mechanical Robustness** | Vibrations 10...150 Hz (1 gn) conforming to IEC 60068-2-6<br>Shocks 11 ms (30 Gn) conforming to IEC 60068-2-27 |
| **Ambient Air Temperature For Operation** | -20…50 °C |
| **Fire Resistance** | 960 °C conforming to IEC 60695-2-1 |
| **Compatibility Code** | Main switch disconnector |

## Packing Units

| | |
|---|---|
| **Unit Type Of Package 1** | PCE |
| **Number Of Units In Package 1** | 1 |
| **Package 1 Height** | 8.000 cm |
| **Package 1 Width** | 8.500 cm |
| **Package 1 Length** | 12.000 cm |
| **Package 1 Weight** | 225.900 g |

| | |
|---|---|
| **Unit Type Of Package 2** | S03 |
| **Number Of Units In Package 2** | 24 |
| **Package 2 Height** | 30.000 cm |
| **Package 2 Width** | 30.000 cm |
| **Package 2 Length** | 40.000 cm |
| **Package 2 Weight** | 5.841 kg |

## Contractual warranty

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|---|---|
| **Warranty** | 18 months |

## Sustainability

**Green Premium™ label** is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-$CO_2$ products.

**Guide to assessing product sustainability** is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

Learn more about Green Premium >

Guide to assess a product's sustainability >

Transparency RoHS/REACh

## Well-being performance

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|---|---|
| Toxic Heavy Metal Free | |
| Mercury Free | |
| Rohs Exemption Information | Yes |
| Pvc Free | |
| Halogen Free Product | |

## Certifications & Standards

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|---|---|
| **Reach Regulation** | REACh Declaration |
| **Eu Rohs Directive** | Compliant with Exemptions |
| **China Rohs Regulation** | China RoHS declaration<br>Product out of China RoHS scope. Substance declaration for your information |
| **Environmental Disclosure** | Product Environmental Profile |
| **Weee** | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |
| **Circularity Profile** | No need of specific recycling operations |